

Class: SARS-CoV U122

Attributes: (1)

Accession #: NP_828857

Synonyms: Orf 7a

Molecular weight: unknown

Number of amino acids: 122

Structure:

- likely a type I membrane protein
- has putative signal peptide sequence at N-terminus
- has C terminus transmembrane domain
- short cytoplasmic tail containing the endoplasmic reticulum retrieval motif, KRKTE

Processing:

- immature protein is cotranslationally processed to form the smaller mature protein

Location:

- U122 is cycled between the ER and the Golgi compartments, mediated by retrieval motif

Functions: unknown

Responsibilities:

Functional consequence unknown

Collaborators:

U274

- 1) Fielding, B.C., et al., (2004) Characterization of a unique group-specific protein (U122) of the severe acute respiratory syndrome coronavirus, *J Virol*, **78(14)**, 7311-8.